

Abstract

Apparatus and method for selectively applying a voltage to one major surface of a pair of piezoelectric motors (PZTs) on a disk drive head suspension with a primary plane of a load beam of the head suspension parallel to the major surfaces of the PZT elements electrically insulated from the load beam. Electrical connections to the PZTs are made via wires, solder, conductive epoxy or electro-mechanical attachment of a plated surface of the PZT with a bond pad on an electrically isolated substrate. Lead extensions or separate pieces may be used to connect to the PZTs. The PZTs may be located on a major surface of the load beam, or may be assembled in a pre-fabricated motor assembly before being installed in the head suspension. Apertures in the load beam and other layers permit physical installation of the PZT motors and enable electrical connection to the PZTs.

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